XM501 Non-Line of Sight Launch System (NLOS-LS)

The NLOS-LS provides the Soldier with a highly deployable, networked, extended-range targeting and precision attack capability against armored, lightly armored and other stationary and moving targets during day, night and degraded weather conditions. The lethality of NLOS-LS is derived from 15 Precision Attack Missiles (PAM) that are vertically launched from the platform independent Container Launch Unit (CLU). The NLOS-LS is certified for sling load operations and has successfully conducted airdrop missions from C-130 aircraft. The NLOS-LS is part of the BCT modernization effort, and will be delivered to Infantry Brigade Combat Teams (IBCT).

XM501 Non-Line of Sight Launch System (NLOS-LS)

What does the system bring to the Battlefield?

- Precision attack missile capable of Infrared (IR) seeker, laser guided and GPS coordinate modes.
- 360 degrees launch capability
- Responsive indirect fires
- Single or simultaneous multiple missile impact capability
- AFATDS with Effects Optimization Tools (EOT) generates optimal missile flight path through battlefield airspace, fire support coordination measures and terrain.
- High angle and trajectory shaping engagement modes support urban and asymmetrical targeting.
- Networked and fully integrated weapon system capable of striking stationary and moving targets located in an established service network (Army or Navy) or seamlessly from one network to another.
- Proven to fully support Infantry and Heavy Brigade Combat Teams or any combination of forces the mission dictates.
- US Navy will use NLOS-LS to counter small boat threats.

What does the system bring to the Warfighter?

- Extended range precision strike capability for the IBCT against moving and stationary targets during day, night and degraded weather conditions.
- The NLOS-LS is an unattended system with minimal logistical footprint. Minimal manning is required only for transportation and maintenance.
- Platform independent transportation and employment capabilities to include sling-load and airdrop operations.
- System availability during field testing exceeded 95%. The NLOS-LS system reduces life cycle costs through extensive use of Line Replaceable Units (LRU) and capitalizing on fix forward capabilities to ease maintenance and repair.
- Requirement to provide an air defense capability against fixed and rotary wing aircraft, as well as unmanned aerial threats.

Planned fielding schedule:

The NLOS-LS is part of the Early Infantry Brigade Combat Team (E-IBCT) BCT modernization effort and will be fielded in 2011.